

Title (en)
SEALED SURGICAL ACCESS DEVICE

Title (de)
VERSCHLOSSENE CHIRURGISCHE SHUNT-VORRICHTUNG

Title (fr)
INSTRUMENT D'ACCES CHIRURGICAL ETANCHE

Publication
EP 1441636 B1 20120111 (EN)

Application
EP 01985127 A 20011020

Priority
US 0150160 W 20011020

Abstract (en)
[origin: WO03034908A2] A surgical device (50) is adapted to facilitate access through an incision (100) in a body wall (18) having an inner surface and an outer surface, and into a body cavity of a patient. The device includes (55) and second (65) retention members adapted to be disposed in proximity to the outer surface and the inner surface of the body wall, respectively. A membrane (75) extending between the two retention members form a throat (90) which is adapted to extend through the incision (100) and form a first funnel extending from the first retention member (55) into the throat (90), and a second funnel extending from the second retention member (65) into the throat (90). The throat of the membrane has characteristics for forming an instrument seal in the presence of an instrument and a zero seal in the absence of an instrument. The first retention member (55) may include a ring with either a fixed or variable diameter.

IPC 8 full level
A61B 1/32 (2006.01); **A61B 17/34** (2006.01); **A61B 17/00** (2006.01); **A61B 17/02** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP)
A61B 17/3423 (2013.01); **A61B 17/3462** (2013.01); **A61B 17/0293** (2013.01); **A61B 17/3498** (2013.01); **A61B 90/50** (2016.02); **A61B 2017/00265** (2013.01); **A61B 2017/3405** (2013.01); **A61B 2017/3482** (2013.01); **A61B 2017/3484** (2013.01); **A61B 2017/3486** (2013.01); **A61B 2017/3492** (2013.01)

Cited by
US9320508B2; US10426451B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 03034908 A2 20030501; **WO 03034908 A3 20030605**; CA 2426481 A1 20030501; EP 1441636 A2 20040804; EP 1441636 A4 20090527; EP 1441636 B1 20120111; EP 2374402 A1 20111012; EP 2374402 B1 20120509; EP 2374403 A1 20111012; EP 2374403 B1 20130403; JP 2005506144 A 20050303; JP 4460293 B2 20100512

DOCDB simple family (application)
US 0150160 W 20011020; CA 2426481 A 20011020; EP 01985127 A 20011020; EP 11172706 A 20011020; EP 11172709 A 20011020; JP 2003537484 A 20011020